



**Moto X™**

*pick a topic, get what you need*

**moto** x



At a glance



Start



Home screen & apps



Control & customise



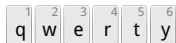
Calls



Contacts



Messages



Type



Socialise



Browse



Photos & videos

PLAYLISTS

Music



Books

44 West Street

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Connect & transfer



Protect



Want more?



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Safety



Gmail™



Google+™



Top topics



Search topics



## At a glance

a quick look

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First look  
Top topics



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## First look

Your new Moto X has a bright display that goes from one side all the way to the other. Its curved body fits in your hand. And you'll rarely have to plug it in.

**Note:** your phone may look a little different.



## Tips & tricks

- **Start:** put the nano SIM in. Charge up your phone. Then, sign into Google™. See “**Start**”.
- **Top topics:** just want a quick list of what your phone can do? See “**Top topics**”.
- **More:** all your questions about your new phone, right on your phone. Touch Apps ⋮ → ? **Moto Care**. Want even more? See “**Get help**”.

**Note:** Certain apps and features may not be available in all countries.



This product meets the applicable national or international RF exposure guidance (SAR guideline) when used normally against your head or, when worn or carried, at a distance of 2.5 cm from the body. The SAR guideline includes a considerable safety margin designed to assure the safety of all persons, regardless of age and health.



## At a glance

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### Top topics

Check out what your phone can do.

- Personalise your phone: see “**Redecorate your home**”.
- Make a quick change: see “**Quick settings**”.
- Go online: see “**Browse**”.
- Explore: see “**Google Play™**”.
- Find apps: see “**Download apps**”.
- Be social: see “**Socialise**”.
- Find it yourself: see “**Locate & navigate**”.
- Take a photo: see “**Take photos**”.
- Connect to Wi-Fi: see “**Wi-Fi networks**”.
- Watch a movie: see “**Play Movies & TV**”.
- Protect your phone: see “**Screen lock**”.
- Watch interactive guided tutorials: see “**Moto Care**”.
- Get all the help you need: see “**Get help**”.

### Tips & tricks

- **Intuitive:** to get started quickly, touch Apps  →  **Moto Care** for interactive tutorials.



## Start

let's get up & running

Start  
SIM in  
Battery life  
Sign in  
Old phone to new phone  
Google Play™



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### SIM in

Put the SIM in, charge up and power on.

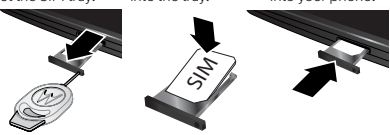
(Your SIM may already be in your phone. If it is, just charge up and power on.)

**Caution:** before using your phone, please read the safety, regulatory and legal information provided with your product.

1

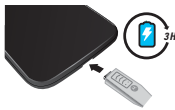
**Put the SIM in.**

Use the tool to pop out the SIM tray. Put the nano SIM into the tray. Push the tray back into the phone.




2

**Charge up, if you need to.**



3

**Power on.**



Press & hold Power until the screen lights up.

### Tips & tricks

- **SIM tray & tool:** the SIM tray is on the side of your phone. Push the key-like tool that came in your phone's box into the small hole in the SIM tray to open it. Put your nano SIM into the tray. (Make sure the angled corner of the SIM card matches the angled corner of the SIM tray.) Align the tray and gently put it back into the phone.
- **Power key:** to make the screen sleep or wake up, press the Power key. To turn your phone on or off, press and hold it.
- **Battery:** squeeze every bit of juice out of your battery, see "Battery life".

**Warning:** don't try to remove or replace the battery yourself—doing so may damage the battery and may cause burning and injury. If your phone becomes unresponsive, try a reboot—press and hold both the Power and the Volume down keys until the screen goes dark, and your phone restarts.



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












## Battery life

Your phone is like a small computer, giving you tons of information and apps, at lightning fast speed. Depending on what you use, that can take a lot of power.

To see what's using up battery power, touch Apps  →  **Settings** → **Battery**. To set automatic rules to save power, touch Apps  →  **Assist**. See “**Motorola Assist**”.

## Tips & tricks

To save even more battery life between charges, you could reduce:

- Recording or watching videos, listening to music or taking pictures.
- Widgets that stream information to your Home screen, like news or weather.
- Unused online accounts that you registered: touch Apps  →  **Settings**. Under **Accounts**, touch the one you want to remove, then touch Menu  → **Remove account**.
- Wi-Fi and Bluetooth™ use: touch Apps  →  **Settings**, then touch the switch next to **Wi-Fi** or **Bluetooth** to turn them  when you don't need them.
- GPS use: touch Apps  →  **Settings** → **Location** →  (at the top).
- Display brightness: touch Apps  →  **Settings** → **Display** → **Brightness** → (slide dimmer setting left).
- Display timeout delay: touch Apps  →  **Settings** → **Display** → **Sleep** → (shorter setting).



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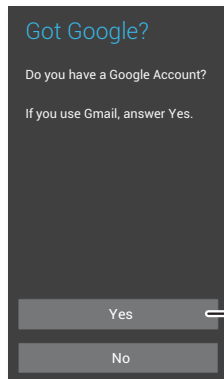
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## Sign in




If you use Gmail™, you already have a Google account—if not, you can create an account now. Sign in to your Google account to see your contacts, appointments, photos and more.

Just select your language and follow the screen prompts to get started.



Contacts,  
appointments,  
photos, and  
more—sign in  
to see it all.

## Tips & tricks

- **Wi-Fi network:** for faster Internet access, flick the status bar down and touch  → **Wi-Fi**.
  - **Reboot:** in the unlikely event that your phone stops responding to touches and key presses, try a reboot—press and hold the Power key until your phone goes dark and restarts. If necessary, hold the Power key to turn your phone back on.
  - **Accounts:** to add, edit or delete accounts, touch Apps  →  **Settings**. Under **Accounts**, touch **+ Add account** to add one. Or, touch an account → Menu  → **Remove account** to delete one from your phone, if allowed. To set up email accounts, see “**Email**”.
- For help with your Google account, visit [www.google.com/accounts](http://www.google.com/accounts).
- **Contacts:** to get your contacts from your old phone, you have options. If your old phone was also Android and you used the Android Back up/Restore feature, your contacts automatically appear on your new phone. Otherwise, use the Motorola Migrate app in “**Old phone to new phone**”. Or, visit [www.motorola.com/transfercontacts](http://www.motorola.com/transfercontacts).

**Note:** this phone supports apps and services that may use a lot of data, so make sure your data plan meets your needs. Contact your service provider for details.



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### Old phone to new phone

Moving your photos, music, text and call history, contacts and more from your previous Android™ phone is easy—we promise.

On your previous Android phone, download the Motorola Migrate app on Google Play™ to get started. Then on your new phone, touch Apps ⋮ →  **Motorola Migrate** and follow the instructions on your screen.

**Note:** music has to be non-DRM to migrate. Signing in to your Google account migrates your apps.

#### Motorola Migrate

Make the switch from old to new.

Copy your stuff from your old phone to your new one in just a few minutes.

Is this phone your new phone or your old one?

New

Old

**Tip:** if you don't migrate right after setting up your Moto X, you can always do it later.

### Tips & tricks

- While you're migrating, you can keep using your phone.
- Signing into your Google account transfers your apps.



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## Google Play™

Google Play is a digital content experience from Google where you can find and enjoy your favourite music, movies, TV shows, books and Android apps and games. It's your entertainment hub: you can access it online or from your Android device, and all your content is instantly available across your devices.



**Note:** your content may be different based on your country.

## Tips & tricks

- Find more about **Google products**: see [www.google.com/about/products](http://www.google.com/about/products).
- Log in or open a **Google account**: visit [www.google.com/accounts](http://www.google.com/accounts).
- **Google help**: see [www.google.com/support](http://www.google.com/support).
- **Download Android apps**: touch Apps  →  **Play Store**.
- Access all of your files **in the cloud**: check out “**Your cloud**”.

**Note:** this phone supports apps and services that may use a lot of data, so make sure your data plan meets your needs. Contact your service provider for details.





## Home screen & apps

*you have quick access*

### Home screen & apps

**Quick start: Home screen & apps**

**Redecorate your home**

**Moto Care**

**Search**


**Status & notifications**



**Download apps**

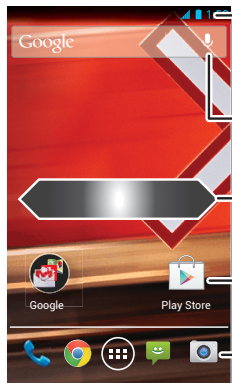
**Take care of your apps**

**Update your phone**

### Quick start: Home screen & apps

You'll see the Home screen when you turn on your phone or touch Home .

- **Touch:** it's all in the touch. Simple gestures and touch keys to move about.
- **Search:** type text in the Google Search box at the top of your Home screen or touch  to search by voice.
- **App & widget list:** to show all of your apps and widgets, touch Apps . (To see widgets, touch **WIDGETS** at the top.)



Flick down to see settings and notifications.




Search by typing or speaking.

Flick left or right to see more panels.

**Shortcuts**  
Touch to open.

**Favourites**  
Touch  to see all your apps & widgets.

### Tips & tricks

- **Pages:** to add or show other pages of shortcuts and widgets, flick the Home screen left or right.
- **Settings:** to quickly open settings, flick the status bar down and touch  → .
- **Uninstall:** to uninstall apps, touch Apps , touch and hold an app, then drag it to **Uninstall** (if available).



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## Redecorate your home

For quick access to your favourite things, customise your Home screen the way you want.

- **Change wallpaper:** touch and hold an empty spot on your Home screen to choose your wallpaper.
- **Create shortcut groups:** you can group app shortcuts together on your Home screen to organise them.

To create a shortcut group on your Home screen, drag one shortcut onto another. Add more shortcuts by dragging them onto the first shortcut. To name the group, touch it and enter a name below the apps.

- **Add widgets & shortcuts:** touch Apps (⋮), touch and hold the app or widget, then drag it to one of your Home screen pages. To see all your apps and widgets, touch Apps (⋮) and flick the menu to the left, or touch **APPS** or **WIDGETS** at the top.

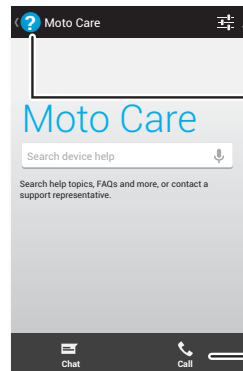
**Tip:** some apps include widgets. To download apps, touch Apps (⋮) → **Play Store**.

- **Resize widgets:** you can resize some widgets—touch and hold a widget until you feel a vibration, then release. Drag the blue circles at the edges to resize.
- **Move or delete widgets & shortcuts:** touch and hold a widget or shortcut until you feel a vibration, then drag it to another spot, another page or **Remove** at the top of the screen.
- **Ringtones and more:** for more about customising, see “Control & customise”.

## Moto Care

How do you do it? Watch a tutorial. Read a how-to. Talk to someone. Find out anything about your phone.

**Find it:** Apps (⋮) → **Moto Care**



Let us suggest a few changes for you.

Watch tutorials, read how-tos and more.

Need a real-live, actual human? Chat or call us.

## Search

At the top of the Home screen, touch the Google Search widget for a text search, or touch for Google Voice Search™.

As you type, suggestions appear below the search field:

- To search for a suggestion, touch it.



## Home screen & apps

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**Take care of your apps**

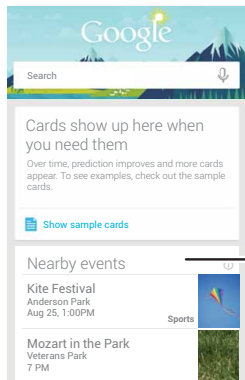
**Update your phone**

- To search for text in the search field, touch  on the keyboard.


### Google Now™

What's going on in your world? Current traffic, weather, stocks, sports scores, your appointments. The right information at just the right time.

To get started, touch and hold Home , and then flick up to the icon .





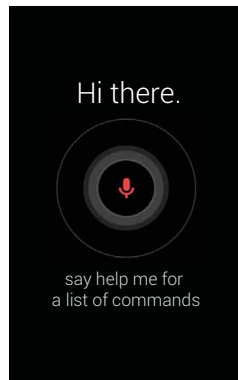
Stuff that's important to you shows up here.

To turn Google Now on/off, set your preferences or learn more, open Google Now, scroll to the bottom of the screen and then touch Menu  → **Settings** → **Google Now**.

### Touchless Control

Tell your Moto X what you want without touching it, even if it's asleep on the table. Get directions using Google Voice Search, check voicemail, play your favourite song.

- **Train it:** touch Apps  →  **Settings** → **Touchless Control** to train your phone to recognise your voice.
- **Say it:** Just say "OK Google Now" followed by a command whenever you need something.



After you train your Moto X, say, "OK Google Now".

Need a cup of joe? Say, "Find coffee".



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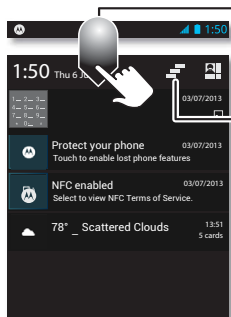
**Download apps**

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### Status & notifications



At the top of the screen, icons on the left notify you about new messages or events. If you don't know what an icon means, flick the bar down to find out.




















Flick down to see settings and notifications.

Clear your notifications.

**Tip:** to clear just one, flick it to the right.

**Tip:** touch  →  to show Settings. For more, see “**Quick settings**”.

Icons on the right tell you about the phone's status:

 network strength (  or  = 4G LTE network)	 /  battery charging/full
 /  Wi-Fi in range/connected	 silent
 /  Bluetooth on/connected	 vibrate
 GPS active	 alarm set
 flight mode	 warning
 microphone off/on	 wireless display connected/on

Network and Wi-Fi icons turn blue when your phone exchanges data with your Google account.

**Note:** apps you download on the Google Play Store app might show other icons in the status bar to alert you to specific events.

### Active Display

See messages, calls and more coming in to Moto X, no matter what screen you're on. Even when your Moto X is sleeping, info quietly appears on your screen to tell you what you need to know—you choose the alerts.

**Find it:** Apps  →  **Settings** → **Active Display**



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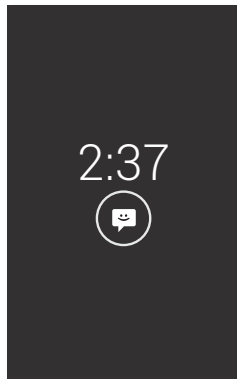
**Status & notifications**

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**Tip:** If that's not your style, select **More privacy** to keep it all hidden.



If your Moto X is asleep when you get a text, it lets you know.



Touch & hold to see the text. Drag up to open the text or down to unlock your phone.

### Motorola Connect

Use your Google account to connect your phone to your computer. See call, contact and messaging info on your computer. Know who's calling before you reach for your phone. Send and receive text messages from your desk using a simple add-on to your desktop Chrome™ browser.

**Find it:** Apps (⋮) → ⚙️ **Settings** → **Motorola Connect**

## Download apps

### Google Play

Get music, movies, books, apps, games and more.

**Find it:** Apps (⋮) → 📦 **Play Store**

- **Find:** to search, touch 🔍 in the top right-hand corner.
- **Download:** to download an app you found, touch it to open details and then touch **Install** or the price.
- **Share:** to share an app you found, touch it to open details and then touch Menu ☰ → **Share**.
- **Reinstall:** to show or reinstall apps you downloaded from Play Store, touch Menu ☰ → **My Apps**.
- **Use a computer:** to find and manage apps from any computer, go to <http://play.google.com> using your Google account and password.

There, you can browse apps on the big screen, manage your apps across multiple devices (such as a phone or tablet) and even set new apps to download to your devices.

- **Enjoy music, books and movies:** you can also use the Google Play Store app to access the **“Play Music”**, **“Play Books”** and **“Play Movies & TV”** apps.
- **Get help:** to get help and more, touch Menu ☰ in the top right.

### Apps from the web

You can get apps from online app stores using your browser.



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**Tip:** choose your apps and updates carefully, as some may impact your phone's performance—see **"Choose carefully"**.

**Note:** when installing an app, make sure you read the alerts that tell you what information the app will access. If you don't want the app to have access to this information, cancel the installation.

To let your phone install apps that are not on Google Play, touch Apps  →  **Settings** → **Security** and tick **Unknown sources**.

To download files from your browser, see **"Downloads"**.




### Choose carefully



Apps are great. There's something for everyone. Play, communicate, work or have fun. But remember, choose your apps carefully. Here are a few tips:

- To help prevent spyware, phishing or viruses from affecting your phone or privacy, use apps from trusted sites, like Google Play.
- On Google Play, check the app's ratings and comments before installing.
- If you doubt the safety of an app, don't install it.
- Like all apps, downloaded apps will use up memory, data, battery and processing power—some more than others. For example, a simple battery level widget will use less than a streaming music player app. After installing an app, if you're not happy with how much memory, data, battery or processing power it's using, uninstall it. You can always install it again later.

- Just like web browsing, you may want to monitor children's access to apps to help prevent exposure to inappropriate content.
- Certain apps may not provide completely accurate information. Take care, especially when it comes to personal health.



### Take care of your apps

From your Home screen, touch Apps , then flick left to scroll through apps. To close the apps screen, touch Home  or Back .

- **Uninstall apps:** touch Apps  →  **Settings** → **Apps**. Flick left to **All**, touch an app, then touch **Disable** or **Uninstall** in the top right (if available).

**Disable** removes the app from your menu. To **Enable** it, reopen this window and touch **Enable** (disabled apps are at the bottom of the list).

If an app locks up your phone as soon as you turn it on, restart in **Safe mode**: turn off your phone, then turn it back on—when you see the "Motorola" logo during power-up, press and hold both volume keys until you see the Home screen, with **Safe mode** in the lower left of the screen. Then, try removing the app.

- **Reinstall apps:** to reinstall apps on the Google Play Store app, touch Apps  →  **Play Store** → **Play Store** (at the top) → **My apps**. The apps you downloaded are listed and available for download.



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- **Share, show or clear app details:** touch Apps (⋮) → **Settings** → **Apps**. A bar at the bottom tells you how much app storage space you have left. At the top, touch the list of **Downloaded**, **Running** or **All** apps, then touch an app in the list to show its details and storage usage. You can touch **Clear data** or other options.

**Tip:** to quickly show these app details from your app screen: just touch and hold an app and drag it to **App info**.

- **Show app data usage:** to show which apps are using the most data, touch Apps (⋮) → **Settings** → **Data usage**. For more, see “Data use”.

## Update your phone

Use your phone or computer to check, download and install phone software updates:

- Using your phone:

If your phone notifies you about an update, follow the instructions to download and install it.

To manually check for updates, touch Apps (⋮) → **Settings** → **About phone** → **System updates**.

Your phone downloads updates over your Wi-Fi connection (if available) or mobile network. We recommend that you download updates when you have a Wi-Fi connection. Remember, these updates can be quite large (25 MB or more) and may not be available in all countries. If the mobile network updates are not available in your country, update using a computer.

- Using your computer:

On your computer, go to [www.motorola.com/update](http://www.motorola.com/update).



## Control & customise

*how it acts & looks*

### Control & customise

#### Quick start: control & customise

##### On, off, lock & unlock

##### Press

##### Speak

##### Customise

##### Quick settings

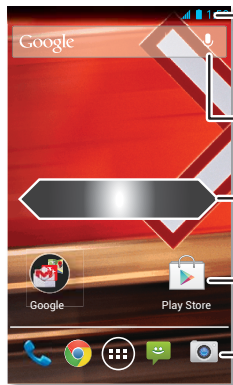
##### Motorola Assist

##### Accessibility

### Quick start: control & customise

Take control of your phone:

- **Customise:** get your notifications and more—flick the status bar down and touch . Touch for more settings.
- **Apps & widgets:** to download more apps and widgets on the Google Play Store app, touch Apps → **Play Store**.
- **Shortcuts & widgets:** touch Apps , touch and hold an app or widget, then drag it to your Home screen. (To see widgets, touch Apps → **WIDGETS** at the top.)



Flick down to see settings and notifications.

Search by typing or speaking.

Flick left or right to see more panels.

**Shortcuts**  
Touch to open.

**Favourites**  
Touch to see all your apps & widgets.

### Tips & tricks

- **Touch:** choose an icon or option.
- **Touch & hold:** move items on the Home screen, or open options for items in lists.
- **Drag or flick:** scroll slowly (drag) or quickly (flick).
- **Pinch or double tap:** zoom in and out on websites, photos and maps.
- **Twist:** twist a map with two fingers to rotate it, and pull two fingers down to tilt it.
- **Speak:** touch in a search window keyboard, or touch Apps → **Voice search**.
- **Ringtone for a contact:** to set a ringtone for a contact, touch Apps → **People**, touch the contact, then touch Menu → **Set ringtone**.
- **Quick settings:** to change Wi-Fi, Bluetooth, Flight mode and other settings, flick the status bar down and touch . For even more settings, touch .
- **Home screen:** for more about changing your Home screen, see “**Redecorate your home**”.



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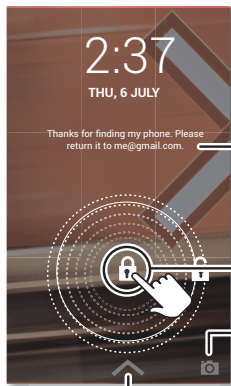


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### On, off, lock & unlock

Your touchscreen is on when you need it and off when you don't. To wake up your phone, press the Power key.



Add your owner info or a message for anyone who finds your phone.

Drag the lock to the outer circle to unlock your screen.

Open the camera.

Open Google Now.

- **Screen off & on:** press the Power key to turn the screen off & on.

**Note:** during a call, your touchscreen might stay dark if the sensor just above the top of the screen is covered. Don't use covers or screen protectors (even clear ones) that cover this sensor.

- **Screen lock:** to unlock the screen, touch and flick to the outer circle that appears. To add a password, pattern, use facial recognition security or a connected device (like a Bluetooth headset or your car) to unlock your screen, touch Apps → **Settings** → **Security** → **Screen lock**. See “Screen lock”.
- **Owner info:** to add a message to your lock screen in case you lose your phone, touch Apps → **Settings** → **Security** → **Owner info**. (To set your message, just touch Back .)  
**Tip:** don't put your mobile number as your contact info unless you can access your voicemail from another device.
- **Screen timeout:** to change your timeout (screen locks automatically), touch Apps → **Settings** → **Display** → **Sleep**.
- **Sleeping phone screen messages:** to change the notifications your sleeping phone flashes, touch Apps → **Settings** → **Active Display**. See “Active Display”.



## Control & customise

### Control & customise

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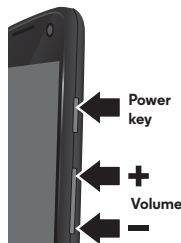
## Press

### Power key

Press and hold the Power key to choose **Power off, Flight mode,** vibrate or silent.

Put the touchscreen to sleep by pressing the Power key. To wake up the touchscreen, just press the Power key again.

**Tip:** To add more security to your phone, see “**Protect**”.



### Volume keys

Your volume keys help in a few ways:

- **Ringer volume:** while on the Home screen, press the keys or press them when your phone is ringing to silence it.
- **Earpiece volume:** press the keys during a call.
- **Music/video volume:** press the keys during a song or video.

## Speak

Just tell your phone what you'd like:

**Tip:** speak naturally but clearly, like using a speakerphone.

- **Dialling and commands:** touch . To dial, say "Call" and then a contact name or phone number. Or, say a command

like "Send text", "Go to" an app, or "Help" for voice command help.

**Tip:** if a contact has more than one number, you can say which number to call in your command. For example, "Call Joe Black Mobile" or "Call Suzi Smith Work."

To choose the confirmations and prompts you want to hear, touch . Scroll down and touch → **Settings** → **Voice**.

To set up your phone to start listening to your commands, see “**Touchless Control**”.

- **Search:** enter text in the Google Search widget at the top of your Home screen, or touch to search by voice.

To change your voice search and text-to-speech settings, touch Apps → **Settings** → **Language & input**.

- **Voice text entry:** on a touchscreen keyboard, touch , then say your message. You can also say punctuation.

**Tip:** to make your phone read out loud, see “**TalkBack**”.

## Customise

Personalise your phone's sounds and appearance:

- **Ringtone and notifications:** to choose ringtones or notifications, touch Apps → **Settings** → **Sound**.
- **Vibrate or silent:** to choose whether your phone vibrates for incoming calls, touch Apps → **Settings** → **Sound**. Tick **Vibrate when ringing** to make it vibrate.
- **Ringtone for a contact:** to set a ringtone for a contact, touch Apps → **People**, touch the contact, then touch Menu → **Set ringtone**.



## Control & customise

### Control & customise

#### Quick start: control & customise

#### On, off, lock & unlock

#### Press

#### Speak

#### Customise



#### Quick settings

#### Motorola Assist

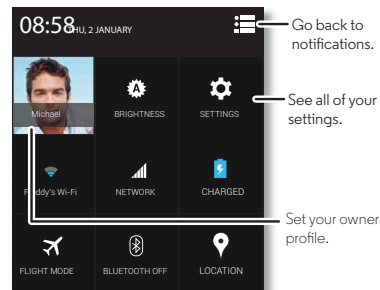
#### Accessibility

- **Volume:** to set volume, just press the volume keys on the Home screen (ringtone volume), during a call (earpiece volume) or while playing music or a video (media volume).
- **Message alert:** to change your new message notification, touch Apps (⋮) → **Messaging** → Menu (≡) → **Settings**, then choose **Notifications**.
- **Display settings:** to change brightness and other display settings, touch Apps (⋮) → **Settings** → **Display**.
- **Rotate:** in many apps, the touchscreen switches from portrait to landscape when you rotate your phone. To turn this on or off, touch Apps (⋮) → **Settings** → **Display** → **Auto-rotate screen**.
- **Home screen:** to change your wallpaper, touch and hold an empty spot on your Home screen. For more, see “Redecorate your home”.
- **Language:** to set your menu language, touch Apps (⋮) → **Settings** → **Language & input** → **Language**.

### Quick settings

To change Wi-Fi, Bluetooth, Flight mode and other settings, flick the status bar down and touch . For even more settings, touch .

**Note:** your quick settings may look a little different.



**Tip:** to set up your own profile, touch Apps (⋮) → **People** → **Set up my profile**. (You may need to scroll to the top of the screen.)



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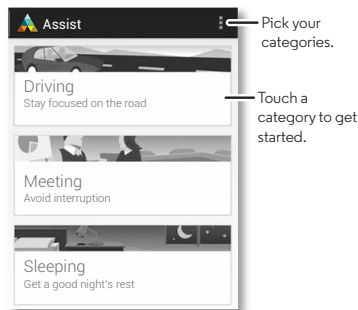
**Accessibility**

## Motorola Assist

Wish your phone could automatically reply to texts when you're driving, silence your ringer during meetings and conserve your battery when it runs low? It can.

Motorola Assist suggests actions to automate based on how you use your phone. When you see a suggestion in the status bar, flick the bar down to accept or delete it.

**Find it:** Apps → **Motorola Assist**



## Accessibility

See, hear, speak, feel and use. Accessibility features are there for everyone, helping to make things easier.

**Find it:** Apps → **Settings** → **Accessibility**

**Note:** for general information, accessories, apps and more, visit [www.motorola.com/accessibility](http://www.motorola.com/accessibility).

## Voice recognition

Just tell your phone what you'd like to do—dial, browse, search, send a text and more. Check it out—touch at the top of the Home screen for voice search.

## TalkBack

Use TalkBack to read your screen out loud—your navigation, your selections, even your books.

To turn on TalkBack, touch Apps → **Settings** → **Accessibility** → **TalkBack**, then touch at the top to turn it to .

**Note:** you might need to download text-to-speech software (data charges may apply).

To use TalkBack:

- **Menus and screens:** touch an item in a menu or screen. Your phone speaks the name.
- **Dialler and text entry:** start typing. Your phone speaks each number or letter.
- **Notifications:** drag the status bar down. Your phone speaks all of the notifications.



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- **Books and more:** open a book, file, message and more. Your phone reads the text out loud (app-dependent).
- **Browsers:** enable webpages in your browser to be read out loud. Move between pages, paragraphs, lines, words or characters.

**Tip:** navigate through your apps and menus to hear how voice readouts work on your phone.

To pause/resume TalkBack:

- Wave your hand over the proximity sensor at the top of the phone. To activate this feature, touch Apps (⋮) → **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Use proximity sensor**.
- When Explore by Touch is on, swipe down then right to open the global context menu, then use the menu to pause TalkBack.

### Explore by Touch

Use Explore by Touch to expand TalkBack, and have your touches read out loud as you move your finger around the screen.

To turn on Explore by Touch when TalkBack is active, touch Apps (⋮) → **Settings** → **Accessibility** → **Explore by Touch**.

Explore by Touch changes your phone's touch gestures so the location of your touches can be read out loud.

- **Touch** something on the screen to hear a description or text read out.

- **Double-tap** anywhere on the screen to open or activate the last touched item.
- **Swipe** using two fingers to scroll through lists or between screens.

Shortcut gestures let you navigate your phone with simple swipe gestures (for example, swipe up then left in a single motion to go to the Home screen). To see or change these shortcuts, touch Apps (⋮) → **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Manage shortcut gestures**.

To learn more about navigating your phone with Explore by Touch, touch Apps (⋮) → **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Launch "Explore by Touch" tutorial**.

To turn off Explore by Touch when TalkBack is active, touch Apps (⋮) → **Settings** → **Accessibility** → **TalkBack** → **Settings** and deselect **Explore by Touch**.

### Accessibility shortcut

Use simple gestures to quickly activate TalkBack and other accessibility features on your phone. For more information, touch Apps (⋮) → **Settings** → **Accessibility** → **Accessibility shortcut**.

### ID by ringtone

When you want to hear who's calling:

- **Read out loud:** have your caller announced—touch Apps (⋮) → **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Speak Caller ID**.



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- **Ringtones:** assign a unique ringtone to a contact—touch Apps  →  **People**, touch the contact, then touch Menu  → **Set ringtone**.





### Volume & vibrate



**Find it:** Apps  →  **Settings** → **Sound** → **Volumes** or **Vibrate when ringing**

- **Volumes** opens sliders that let you set different volumes for your music or videos, ringtone, text or email notifications and alarms.
- **Vibrate when ringing** determines whether your phone vibrates for incoming calls (even if the ringer is silent).

### Zoom

Get a closer look.

- **Pinch to zoom:** pinch to zoom on maps, webpages and photos: to zoom in, touch the screen with two fingers and then drag them apart. To zoom out, drag your fingers together.  
**Tip:** to zoom in, you can also double tap.
- **Screen magnification:** triple tap the screen for full screen magnification, or triple tap and hold to temporarily magnify—touch Apps  →  **Settings** → **Accessibility** → **Magnification gestures**.
- **Big text:** show bigger text throughout your phone—touch Apps  →  **Settings** → **Accessibility** → **Large text**.

- **Browser:** choose zoom, text size and other accessibility settings for your Chrome™ browser—touch  **Chrome** → Menu  → **Settings** → **Accessibility**.

**Tip:** use **Force enable zoom** to allow zooming on all webpages.

### Display brightness



Your phone automatically adjusts the screen brightness when you're in bright or dark places. But you can set your own brightness level instead:

**Find it:** Apps  →  **Settings** → **Display** → **Brightness**

Deselect **Automatic brightness** to set your own level.

**Note:** setting brightness to a high level decreases your smartphone's battery life. To maximise battery life, select **Automatic brightness**.

### Touch screen & keys

To hear or feel when you touch the screen, touch Apps  →  **Settings** → **Sound**:

- **Touchscreen:** to hear screen touches (clicks), select **Touch sounds**.
- **Keys:** to feel screen keyboard touches (vibrate), select **Vibrate on touch**.
- **Screen lock:** to hear when you lock or unlock the screen (click), select **Screen lock sound**.



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### Messages

To make text entry even easier, use features like auto-complete, auto-correct and auto-punctuate—touch Apps  → **Settings** → **Language & input**, then touch  next to a keyboard type. Of course if you don't want to type at all, then use your voice—touch  on the touchscreen keyboard.

### Apps

Want more? No problem. With over 1,000,000 apps to choose from, Google Play has something for everyone, and many apps provide useful accessibility features.

**Find it:** Apps  →  **Play Store**



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## Calls

when you need to talk

### Calls

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#### Recent calls

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#### 3-way calls

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#### Emergency calls



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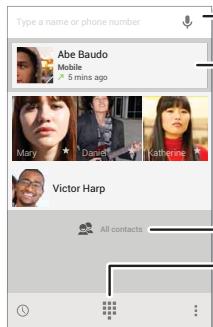


### Quick start: calls

Dial numbers, recent calls or contacts, all from one app.

Find it:  Phone

To make a call, enter a number then touch  to call it, or flick left to access your previous calls and contacts.



Search for a name or number in your contact list.

Tap a contact to call it.

See all your contacts.

Open dial pad to dial a number.

#### During a call:

Hang up.



 Dial pad

 Mute

 Speaker









 Add caller

 See Call history.

 Open dial pad.

 See options.



### Tips & tricks

- **During a call:** your touchscreen goes dark to avoid accidental touches. To wake it up, move it away from your face or press the Power key.
- **Multi-task:** while you're on a call, touch Home  to hide the call display and look up a phone number, address or open other apps. To reopen the call display, flick down the status bar and touch **Ongoing call**.
- **People:** to search your contacts, touch .
- **Favourite contact:** do you have someone you call all the time? Touch Apps , touch **WIDGETS** at the top, then touch and hold the **Direct dial** widget. Drag it to your Home screen, then select the contact. Touch the widget to dial the person.  
**Tip:** you can also touch Apps  →  **People**, select the person. Touch Menu  → **Place on Home screen**.
- **Voicemail:**  appears in the status bar when you have new voicemail. To hear it, touch  **Phone**, then touch and hold **1**.

### Make, answer & end calls

When you make or answer a call, you have options:

- **Make a call:** touch  **Phone**, enter a number, then touch .

To enter the international dialling code (+), touch and hold . To add a pause or wait after numbers, touch Menu .





## Calls

### Calls

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


- **Answer a call:** touch  and flick to .

With call waiting, to answer the second call, touch  and flick to . Then decide if you want to end the first call or put it on hold. For more, see “3-way calls”.

- **Ignore a call:** touch  and flick to . You can also press the Power key to ignore the call or press a volume key to silence the ring.

- **End a call:** touch .

- **During a call:** touch icons at the bottom of the call display to mute or hold the call or to use the speakerphone. To hide the call display, touch Home . To reopen it, flick down the status bar and touch **Current call**.



**Note:** when you hold your phone to your ear, the touchscreen goes dark to avoid accidental touches. When you move your phone away from your ear, the display lights up again.

During a call, your touchscreen might stay dark if the sensor just above the screen is covered. Don't use covers or screen protectors (even clear ones) that cover this sensor.

### Recent calls

View your calls (with newest first), to call, text or store them:







**Find it:**  **Phone** → 

- To call a number, touch  on the right.
- To send a text message, store the number or other options, touch an entry.
- To search the list, touch  at the bottom.

- To clear the list, touch Menu  → **Clear call log**.

### Favourites


Set your most-used contacts as Favourites, so you can get to them faster.



- To set a favourite, touch Apps  →  **People**, select a contact and touch → .
- To view your favourites, touch Apps  →  **People** → .



### 3-way calls

During a call, you can start another call, switch between them or join them in a 3-way call:

- To answer a second call, touch  and flick to . To ignore it, touch  and flick to .

The first call goes on hold if you answer the second call. To switch between calls, touch .

- To dial a second call, touch , enter a number or select a number from recent calls or contacts, then touch .

The first call goes on hold when you touch . To join the calls after the second call answers, touch .

### Your phone number

**Find it:** Apps  →  **Settings** → **About phone** → **Status** → **My phone number**



## Calls

### Calls

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## Emergency calls

**Note:** your service provider programs one or more emergency phone numbers that you can call under any circumstances, even when your phone is locked. Emergency numbers vary by country. Your pre-programmed emergency number(s) may not work in all locations and sometimes an emergency call cannot be placed due to network, environmental or interference issues.

- 1 Touch  **Phone** (if your phone is locked, touch **Emergency call**).
- 2 Enter the emergency number.
- 3 Touch  to call the emergency number.

**Note:** your phone can use location based services (GPS and AGPS) to help the emergency services find you. See "Location Services" in your legal and safety information.



## Contacts

*you can be a people person*

### Contacts

#### Quick start: contacts

#### Create contacts

#### Call, text or email contacts

#### Favourite contacts

#### Edit, delete or hide contacts

#### Get contacts

#### Share contacts

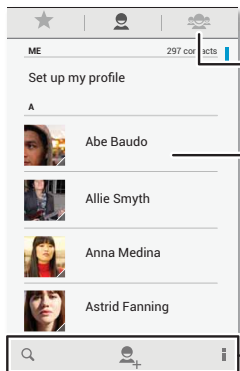
#### Groups

### Quick start: contacts

Combine information from your Google contacts and social networks for quick access to everyone you know.

#### Find it: People

- **Create:** touch at the bottom of the screen.
- **Edit or delete:** touch a contact, then touch Menu → **Edit** or **Delete**.
- **Call, text or email:** touch a contact, then touch an option.



Create & view groups of contacts.

Touch to view contact information, call, send a text message & more.

Search your contacts.  
 Add a contact.  
 Sort contacts, change settings, accounts and more.

### Tips & tricks

- **Groups:** to show or create a group of contacts, touch , then touch the group or at the bottom of the screen.
- **Search contacts:** from the Home screen, just touch the Google Search widget and enter a contact's name. In the **People** list, touch .
- **Send contacts:** touch a contact, then touch Menu → **Share** to send a contact's details in a message or over a Bluetooth connection. Or, turn on Android Beam on both phones, touch phones back to back and touch **Tap to beam**. (To turn on Android Beam, touch Apps → **Settings** → **More** → **Android Beam**.)
- **Shortcuts:** touch Apps , touch **WIDGETS** at the top, then touch and hold the **Contact** widget. Drag it to your Home screen, then select the contact you want to make a shortcut for.
- **Synchronise:** on your computer, upload contacts to your Google account at [www.google.com/contacts](http://www.google.com/contacts). On your phone, touch Apps → **Settings**. Under **Accounts**, choose your Google account, then touch your account name to sync it if it has not recently been updated. You can also see these contacts at [www.gmail.com](http://www.gmail.com).

For help with transferring contacts, see “**Old phone to new phone**” or go to [www.motorola.com/TransferContacts](http://www.motorola.com/TransferContacts).

### Create contacts

Find it: People →



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# Contacts

## Contacts

**Quick start: contacts**

**Create contacts**

**Call, text or email contacts**

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**Edit, delete or hide contacts**

**Get contacts**

**Share contacts**

**Groups**



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Touch a text box to type the name and details. When you're finished, touch ✓ **Done** at the top.

**Note:** to import contacts or change where they're stored, see "**Get contacts**".

## Call, text or email contacts

**Find it:** **People**

Touch a contact to see more options. Depending on the information you have for that person, you can call, text or send email. You can also use "**Voice recognition**".

## Favourite contacts

To see your favourite contacts, touch **People** → ★.

To tag a favourite, in your contact names list, touch a contact to open it, then touch ★ next to their name.

## Edit, delete or hide contacts

**Find it:** **People**

- To edit a contact, touch it, then touch Menu → **Edit**. Then, touch a field to edit it.
- To set a special ringtone for the contact, touch it, then touch Menu → **Set ringtone**.
- To delete the contact, touch it, then touch Menu → **Delete**.

Contacts from social networks will become hidden if you select **Delete**. To view these contacts, or delete them permanently, use the social network's app or website.

- To hide the contacts from an account or group in your **People** list, touch Menu → **Contacts to display**. Touch an account type, or touch **Customise** to deselect groups you always want to hide.

## Get contacts

Get all your contacts in one place.

- To add your social networking contacts, touch Apps → **Settings**, scroll to **Accounts** and touch + **Add account**.
- To add your email contacts, see "**Email**".

**Tip:** if you add a **Corporate sync** account, you can send messages to your co-workers, even if you don't have them stored in your contacts.

- To import contacts from your SIM card (if that didn't happen automatically): touch **People** → Menu → **Import/export** → **Import from SIM card**. Touch **OK** to confirm.
- To import contacts from your computer, upload the contacts to your Google account at <http://contacts.google.com>. On your phone, touch **People** → Menu → **Accounts** → **Auto-sync app data**. You can also see these contacts at <http://mail.google.com>.

For help with transferring contacts, go to "**Old phone to new phone**" or visit [www.motorola.com/TransferContacts](http://www.motorola.com/TransferContacts).

## Share contacts

Send a contact with a Bluetooth connection, text message or email, or use NFC and Android Beam:



# Contacts

## Contacts

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**Call, text or email contacts**

**Favourite contacts**

**Edit, delete or hide contacts**

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## Find it: People



To send a contact, touch it, then touch Menu  → **Share** and choose how you want to send it.

Or, turn on Android Beam on both phones, touch phones back to back and touch **Tap to beam**. (To turn on Android Beam, touch Apps  →  **Settings** → **More** → **Android Beam**.)

**Note:** you can't send your social network contacts.

## Groups

Create groups of **Contacts** (such as "friends", "family" or "work"), then find contacts faster by showing one group.

To create or show a group, touch , then touch  at the bottom of the screen.



## Messages

say it & go

### Messages

#### Quick start: messages

Read, reply, forward & delete text messages

Email

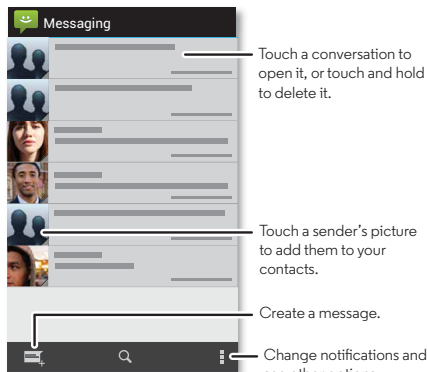
Chat using Hangouts™

### Quick start: messages

Stay in touch with messages and pictures.

**Find it:** Apps (⋮) → **Messaging**

- **Create:** touch at the bottom of the screen.
- **Attach:** when you're typing a message, touch to attach a picture, video or other file.



### Tips & tricks

- **Forward a message:** in a conversation, touch and hold a message for more options, such as forwarding it.
- **Save attachments:** touch and hold a picture to save it in your gallery.
- **Voice entry:** just touch a text box, then touch on the keyboard.
- **Reply to all in text messages:** when you send a text message to multiple people, you can let everyone see the other recipients and reply to all, or hide the other recipients so that replies only go to you. To change this, touch Apps (⋮) → **Messaging** → Menu (☰) → **Settings** → **Group messaging**.
- **Text your best friend:** use a widget to text your favourite contact quickly: touch Apps (⋮), touch **WIDGETS** at the top, touch and hold **Direct message** to drag it to your Home screen, then choose a contact.

### Read, reply, forward & delete text messages

**Find it:** Apps (⋮) → **Messaging**

- **Open:** touch a conversation to open it.
- **Attachments:** when you open a message with an attachment, touch the attachment to open it or touch and hold it to save it.
- **Reply:** open a conversation, then enter your response in the text box at the bottom.



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## Messages

### Messages

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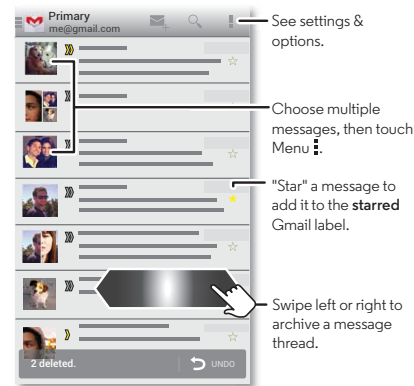








- **Forward:** open a conversation, touch and hold the message you want, then touch **Forward**.
- **Delete:** touch and hold a conversation, then touch  at the bottom. Or, open the conversation, touch and hold one message and touch **Delete**.
- **Settings:** touch Menu  → **Settings** to change your notifications and other options.

## Email

Check email accounts and send responses, photos, websites and more.

**Find it:** Apps  →  **Gmail** or  **Email**



- **Add Gmail accounts:** the first time you turned on your phone, you probably set up or logged in to your Google™ account—that sets up the  **Gmail** app for one account, but you can add more in Apps  →  **Settings** → **Accounts**.
- **Add email accounts:** to add accounts for  **Email** follow the prompts when you first open the app or touch Apps  →  **Settings** → **Accounts** → **Add account**, then



# Messages

## Messages

### Quick start: messages

Read, reply, forward & delete text messages

Email

Chat using Hangouts™

enter details. For Microsoft™ Exchange server work email accounts, enter details from your IT administrator.

- **Change or delete accounts:** to change an account's sync and notifications or delete it, touch Apps (⋮) → ⚙️ **Settings**  
→ **Accounts**, touch an account, then touch Menu (⋮)  
→ **Settings** or **Remove account**.

## Chat using Hangouts™

Sign in with your Google account to stay in touch with friends and family.

**Find it:** Apps (⋮) → 🗨️ **Hangouts**

- **Start a new hangout:** touch + (or swipe left), touch a name in your list of friends, then touch **Message** or **Video call**.
- **Change settings:** touch Menu (⋮) to see your old Hangouts, change your profile pic, other settings and more.
- **Chat from a computer:** you can chat from a computer, too. Find out more at [www.google.com/hangouts](http://www.google.com/hangouts).



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## Type

keyboard when you need it

### Type

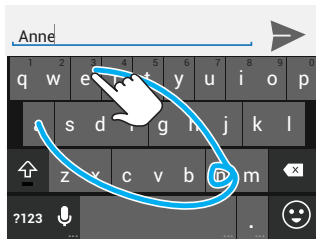
#### Quick start: type

#### Text entry settings & dictionary Cut, copy & paste

### Quick start: type

When you touch a text box, such as in a message or search, you have keyboard options.

- **Type or gesture:** enter letters by touching them one at a time. Or, enter a word by tracing a path through the letters.
- **Close the keyboard:** touch Back ↶ or touch ↵ at the bottom of your phone.



See a different keyboard? It varies by app. This one is for texting.

### Tips & tricks

- **Keyboard changes:** your touchscreen keyboard changes depending on whether you're entering a text message, email or other text.
- **Move the cursor:** touch a spot in the text to place the cursor, then drag the arrow under the cursor to move it.
- **Your dictionary:** to add a word you enter often, enter it, touch the word in the word list below the text box, then touch there again to add it to your dictionary.
- **Symbols:** touch and hold a key to enter the small number or symbol at the top of it.  
To enter several numbers or symbols, touch **123**.
- **Capital letters:** touch ↵ or drag it to the letter you want to capitalise.
- **Special characters:** press and hold a letter or symbol to choose from other special characters.

### Text entry settings & dictionary

Choose your keyboard style and edit the dictionary of words your phone suggests:

**Find it:** Apps (⋮) → ⚙️ **Settings** → **Language & input**

- To change the preferences, touch **⚙️**. You can change the language, automatic punctuation and more.
- To add or edit the words that your phone suggests and recognises, touch **Personal dictionary**.



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# Type

## Type

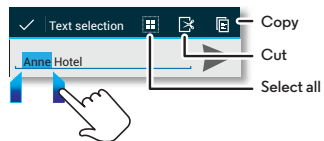
Quick start: type

Text entry settings & dictionary

Cut, copy & paste

## Cut, copy & paste

Cut, copy and paste names, phone numbers, addresses, quotes or anything else in a text box.



- 1 To highlight a word, double tap it.  
To highlight more words, drag the selector arrow at the edge of the highlight.
- 2 Touch the icons for cut or copy.  
**Tip:** Touch and hold icons to show labels.
- 3 Open the text box where you want to paste the text (even if it's in a different app).
- 4 Touch inside the text box, then touch and hold to show the **Paste** option. Touch **Paste** to paste the text.



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# Socialise

*your life & your friends*

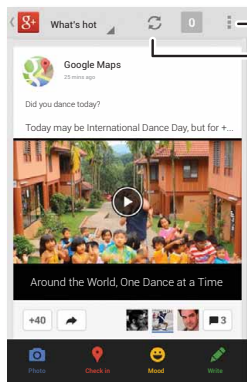
**Socialise**

**Quick start: socialise**

## Quick start: socialise

Google+ makes connecting on the web more like connecting in the real world. Share your thoughts, links and photos with the right circles.

**Find it:** Apps  →  **Google+**










Open options.

Update the stream.

We're making changes all the time. Your screen may look a little different.

## Tips & tricks

- **Upload photos:** touch Apps  →  **Gallery** and touch a photo or video. Choose  → **Google+** and select your account.
- **Add a widget:** on your Home screen, touch Apps , touch **WIDGETS** at the top, then touch and hold **Google+ posts** to drag them to your Home screen.
- **Help:** for more about Google+, visit [www.google.com/+](http://www.google.com/+).
- **Other social networks:** you can also use Facebook™, Twitter and more. Open the Google Play Store app to find the latest official apps and widgets.
- **Remove accounts:** to delete an account (along with its contacts and messages on your phone), touch Apps  →  **Settings**. Scroll to **Accounts** and select the account. Then touch Menu  → **Remove account**.



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## Browse

explore & find

### Browse

#### Quick start: Chrome™

##### Web connection

##### Bookmarks

##### Downloads

##### Browser options

##### Safe surfing & searching



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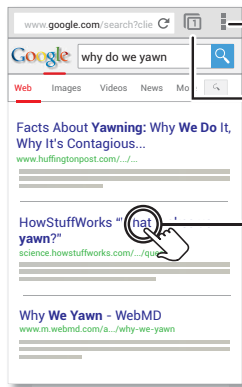
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## Quick start: Chrome™

Find it: Apps → Chrome

- **Go to a webpage:** touch the address bar at the top of a page and enter an address.
- **Add or open bookmarks:** open the address bar (flick down if you don't see it), then touch Menu → or **Bookmarks**.



See options.

See other browser tabs, or open a new one.

Touch a link to select it. Touch & hold for more options.

### Tips & tricks

- **Home screen shortcut:** on your Home screen, touch the Google Search widget at the top and enter a website address.  
**Note:** if you can't connect, contact your service provider.
- **Mobile sites:** some websites automatically show you a "mobile" version of their page. If you want to see the standard computer versions of all websites, touch Menu → **Request desktop site**.
- **Reload:** if a page doesn't load correctly, try touching .
- **Clear history:** in the browser, touch Menu → **Settings** → **Privacy** → **Clear browsing data** (at the bottom of the screen). Then choose history, cache, cookies and other options.
- **Help:** for more about Google Chrome, visit [www.support.google.com/chrome](http://www.support.google.com/chrome).

## Web connection

To access the web, your phone uses your Wi-Fi network (or your mobile phone network if no Wi-Fi network is connected).

**Note:** your service provider may charge to surf the web or download data over your mobile phone network.

To connect to a Wi-Fi network, see **"Wi-Fi networks"**.

## Bookmarks

To bookmark a page in your browser, touch Menu → .

To go to a bookmark, touch Menu → **Bookmarks**, then touch the bookmark.



## Browse

### Browse

**Quick start: Chrome™**

**Web connection**

**Bookmarks**

**Downloads**

**Browser options**

**Safe surfing & searching**



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## Downloads

**Warning:** Apps downloaded from the web can be from unknown sources. To protect your phone and personal data, only download apps on Google Play.

To download a file, picture or webpage, touch **Chrome** and go to the website, then:

- **Files:** touch the download link. To show the file or app, touch Apps → **Downloads**.
- **Pictures:** touch and hold it to choose **Save image**. To show the picture, touch Apps → **Gallery** → **Download**.

To download apps or phone updates, see “**Download apps**” or “**Update your phone**”.

## Browser options

To change your browser security settings, text size and other options, touch Menu → **Settings**.

## Safe surfing & searching

Keep track of what your browser and searches show:

- **Browse incognito:** to open a tab that won't appear in your browser or search history, touch **Chrome** → Menu → **New incognito tab**.
- **Browser history, cache and passwords:** to clear your browser history and other saved information, touch **Chrome** → Menu → **Settings** → **Privacy**.
- **Automatic form completion:** when you enter your name in an online form, your browser can automatically enter your

address information. If you don't want that, touch **Chrome** → Menu → **Settings** → **Auto-fill forms**.

- **Browser pop-ups:** to stop pop-up windows from opening, touch **Chrome** → Menu → **Settings** → **Content settings** → **Block pop-ups**.
- **Voice search:** touch the search bar, then touch **X** → .



## Photos & videos

see it, capture it, share it.

### Photos & videos

#### Quick start: photos & videos

##### Take photos

##### Record videos

##### The perfect shot

##### Edit, share or delete photos & videos


##### Capture your screen




##### Play Movies & TV

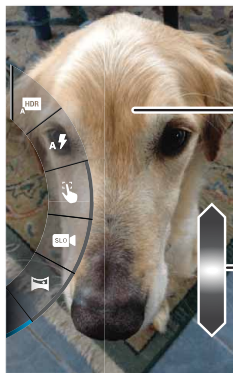
##### YouTube™

### Quick start: photos & videos

Take super clear photos with a flick of your wrist.

- **Launch it:** even when your phone is asleep, twist your wrist twice, quickly, to launch camera any time.
- **Take a photo:** touch anywhere on the screen to take the photo.
- **Share it:** drag the screen left to view a photo or video from your gallery, then touch Share .

**Tip:** Touch Apps  →  **Camera**, drag the screen right and touch  to turn Quick capture on or off.









Swipe right to open effects & settings. Rotate the dial to see more options.

Touch anywhere to take the photo. Touch & hold to take rapid shots.

Drag up or down with one finger to zoom.

### Tips & tricks

- **Take a photo:** open the camera, then touch anywhere on the screen to take the photo.
- **Record a video:** touch  in the camera to temporarily switch to the video camera and start recording. Then touch  to start or stop recording.
- **View, share or delete:** drag the screen left to open your gallery. Pick a photo or video. You can choose  share,  delete, or go to Menu  for more options, like **Crop** or **Edit**.
- **Change settings:** to open camera options, drag the screen right.
- **Zoom:** drag the screen up or down.
- **Multi-shot:** when you're ready, touch and hold the screen take multiple photos quickly.
- **Panorama:** take a panoramic shot by dragging the screen right to open settings and touching . Use the on-screen guide to slowly pan your phone.
- **Clarity:** for the clearest photos and videos, clean the lens with a soft, dry cloth.
- **Print:** want to print your photos? Check out "Print".



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## Photos & videos

### Photos & videos

**Quick start: photos & videos**

**Take photos**

**Record videos**

**The perfect shot**

**Edit, share or delete photos & videos**

**Capture your screen**

**Play Movies & TV**

**YouTube™**



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### Take photos

**Find it:** **Camera**

Touch anywhere on the screen to take the photo.

### Record videos

**Find it:** **Camera**, then touch .

The camera temporarily turns into a video camera and immediately starts recording. Touch to stop recording.

**Tip:** to send a video in a text message, drag the viewfinder left to open your gallery and touch the video, then choose **share**.

### The perfect shot

Point, touch and you're done. But when you want something a little different, drag the screen right to play with these camera options:

Options	
<b>HDR</b>	Turn on HDR (high-dynamic-range) effect for better pictures in challenging lighting situations.
<b>Flash</b>	Set <b>On</b> , <b>Off</b> or <b>Auto</b> .
<b>Touch to focus</b>	Set the camera to focus on the object you touch in the screen.
<b>Slow motion</b>	Take a slow motion video.
<b>Panorama</b>	Take a wide-angle shot. Use the on-screen guide to slowly pan while you are taking the photo.

Options	
<b>Geo-Tag</b>	Tag your photos with a location.
<b>Shutter tone</b>	Turn the shutter click on or off.
<b>Quick draw</b>	Catch it fast. Turn on this setting so when your phone is asleep, if you hold it down by your side and shake back to front once, the camera turns on.

### Edit, share or delete photos & videos

**Find it:** Apps → **Gallery**

- **View, share or delete:** touch a thumbnail to open it, then choose **share** or **Menu** for more.

**Tip:** to select multiple files, open a folder, touch and hold a photo, then touch others.

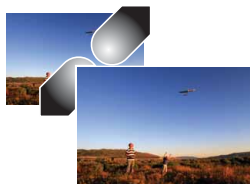
- **Zoom:** open a photo, then drag two fingers apart or together on the screen.

**Tip:** turn the phone sideways for a widescreen view.

- **Wallpaper or contact photo:** open a picture, then touch **Menu** → **Set picture as**.

- **Edit:** open a picture, then touch **Menu** → **Edit**.

- **Slideshow:** open a folder, then **Menu** → **Slideshow**. To stop the slideshow, touch the screen.





## Photos & videos

### Photos & videos

**Quick start: photos & videos**

**Take photos**

**Record videos**

**The perfect shot**

**Edit, share or delete photos & videos**

**Capture your screen**

**Play Movies & TV**

**YouTube™**



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**Tip:** to show the slideshow on a television or other device, see “**Connect & transfer**”.

### Capture your screen

Share a screen capture of your favourite playlist, your new high score or a friend's contact information. If you can show it on your phone, you can share it with your friends.

To capture your phone's screen, press and hold the Power and Volume down keys at the same time.

To see the screen capture, touch Apps  →  **Gallery**  
→ **Screenshots**.

### Play Movies & TV

Find and rent films to watch on your tablet or computer:

**Find it:** Apps  →  **Play Movies & TV**

To shop, rent or watch on a computer, go to [www.google.com/play](http://www.google.com/play) and choose "Movies & TV".

### YouTube™

Watch videos from YouTube users everywhere—or log into your account to share your own.

**Find it:** Apps  →  **YouTube**







## Play Music

when life needs a soundtrack

### Play Music Quick start: music

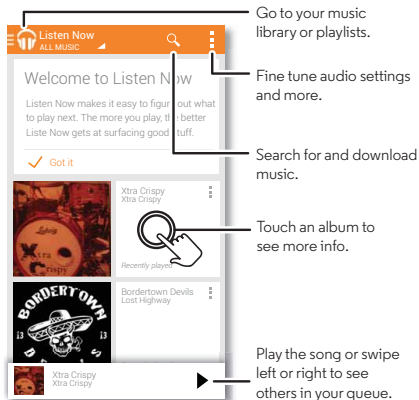
#### Quick start: music

Music everywhere—stream it, buy it, save it, play it. Listen and create playlists any time.



**Find it:** Apps  →  **Play Music** and follow the prompts to find out how to get music on your phone

To get to your music on Google Play using a computer, visit [www.google.com/music](http://www.google.com/music).

Touch **Listen now** to see recommendations and more:



#### Tips & tricks

- **Volume:** press the volume keys.
- **Hide the music player:** to use another app while your music plays, touch Home . To return to the music player, flick down the status bar and touch the song title.
- **Home screen:** control music playback from the Home screen by adding the **Google Play music** app widget.
- **Shop:** touch **Shop** to get more music.
- **Playlists:** touch  next to a song in your library to add it to a playlist or show other options. To edit, delete and rename a playlist, touch and hold its name in the music library.
- **During a flight:** press and hold the Power key → **Flight mode** to turn off all your network and wireless connections and listen to music during a flight.
- **File types:** your phone can play MP3, M4A, AAC, AAC+, MIDI and WAV files.

**Note:** Copyright—do you have the right? Always follow the rules. See "**Content copyright**" in your legal and safety information.



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## Play Books

even thick books fit

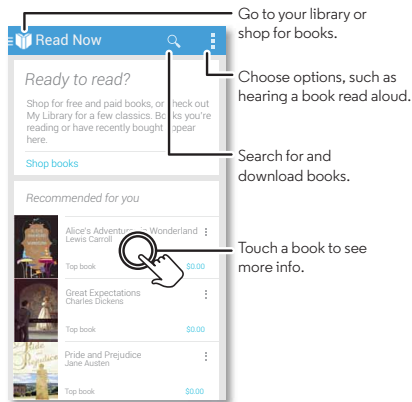
### Play Books

#### Quick start: books




### Quick start: books


Read your favourite books, magazines and newspapers when and where you want.

**Find it:** Apps   **Play Books** → **Read now**



### Tips & tricks

- **Turn pages:** while reading the book, turn the pages by flicking them.
- **Recent page:** when you open a book, it shows the page you were reading last.
- **Table of contents:** touch a book page, then touch Menu  to open the table of contents or to change the view.
- **Close:** to return to your book list, touch the book title at the top.
- **Shop:** to shop for books, touch Apps   **Play Books** → **Shop**.

Browse by category, or touch  and search for a title or author. Touch a book to show details. Then, touch the book's price to buy it (or touch **Open** to open a free book). After you confirm a purchase, the book appears in your library.



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## Play games

Why be bored?

### Play games Quick start: games

### Quick start: games

Download and play the latest fun games.

**Find it:** Apps (⋮) →  **Play games** → **Get games**

### Tips & tricks

- **Challenge friends:** you can play against people in your Google+ circles. Scroll down to **Players** and choose a person or touch **Add friends**.
- **Find more friends:** scroll down to **You may know** and choose a person or touch **See more**.



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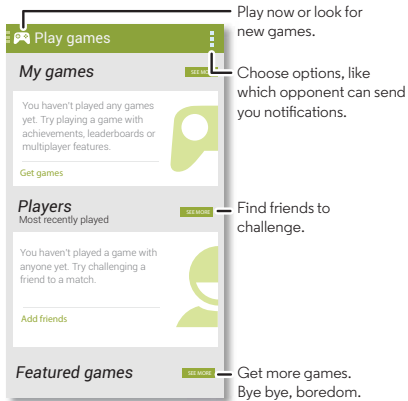


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## Locate & navigate

where you are, where you're going

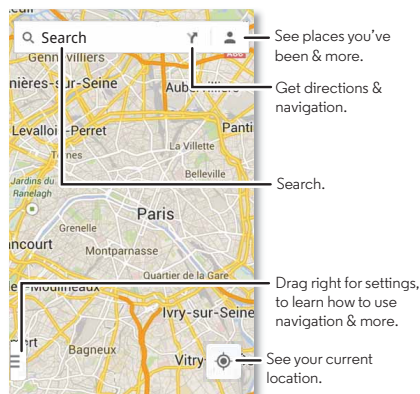
### Locate & navigate

#### Quick start: locate & navigate

### Quick start: locate & navigate

Find a nearby cafe, get directions or step-by-step navigation using the Google Maps™ you know and trust.

**Find it:** Apps (⋮) → **Maps** → and enter what you want to find, then touch it to see more info, get directions or step-by-step navigation



### Tips & tricks

- **Find an address:** touch and enter an address or something you're looking for, like "restaurant". The map moves to show the address or local suggestions. Touch the info sheet at the bottom for more details. Or touch an Explore or Services option.
- **Get directions:** touch , enter a place or address.
- **Save an address:** touch the address info sheet at the bottom of the screen and then touch the star.
- **Zoom:** to zoom in or out, drag two fingers together or apart on the screen.
- **Turn and tilt:** rotate two fingers on the map to turn it or drag down/up to tilt.
- **Send your location:** to tell others where you are, touch your location on the map, then choose **Share**.
- **Identify address:** touch and hold a spot on the map to show the nearest address.
- **Get map help:** drag the map to the right and touch **Help**.



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## Work

get it done any time

### Work

Corporate sync  
Quickoffice™  
Office network  
Google Drive™  
Clock  
Calendar  
Print



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## Corporate sync

If you use Microsoft™ Office Outlook on your work computer, your phone can synchronise email, events and contacts with your Microsoft Exchange server.

- To add your **Corporate** account, see “**Email**”.
- To choose what to sync from your **Corporate** account, touch Apps (⋮) → ⚙ **Settings** → **Accounts**, touch your account, then choose options like **Calendar**, **Contacts** or **Email**.

## Quickoffice™

Use **Quickoffice** to view and edit files.

**Find it:** Apps (⋮) → **Quickoffice**

Touch a file or folder to open, or touch and hold a file for options. You can edit most documents, spreadsheets and presentations:

- Place your cursor by touching the text.
- Select text by double tapping it.
- Open a keyboard, choose formatting, save the file or choose other options by touching Menu ⋮.

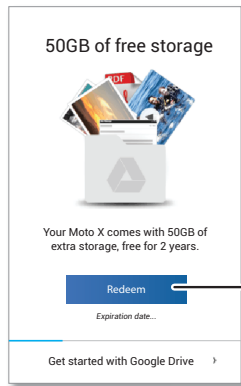
## Office network

To connect your office network with a Virtual Private Network connection, see “**Virtual Private Networks (VPN)**”.

## Google Drive™

All your photos, videos, documents and more safely in one place—private unless you choose to share. Available on Google Drive from all your devices.

And with Moto X, you have 50 GB of extra storage for the next two years on top of the 15 GB you already get from Google. Touch Apps (⋮) → **Drive** to redeem this special offer.



Touch here to get started.



## Work

### Work

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## Clock

**Find it:** Apps (⋮) → ⌚ **Clock** → ⌚ (at the top)

- **Alarm:** touch an alarm to edit it, or touch + to add a new alarm.

When an alarm sounds, touch and drag 🌞 to turn it off or **z<sup>z</sup>** snooze for ten minutes.

- **Settings:** to change your alarm sound, snooze delay or other settings, touch Menu (☰) → **Settings**.
- **Timer:** for a timer, touch ⏲.
- **Stopwatch:** for a stopwatch, touch ⏱.

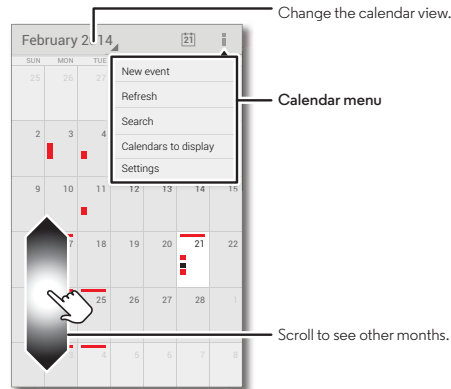
**Tip:** to find out what an icon means, touch and hold it. To set your current date, time, time zone and formats, touch Apps (⋮) → ⚙️ **Settings** → **Date & time**.

## Calendar

Show events stored on your phone and in your online calendars, all together in one place.

**Find it:** Apps (⋮) → 📅 **Calendar**

- **Change the view:** touch the date at the top left to choose **Day**, **Week**, **Month** or **Diary**.
- **Add events:** from any view, touch Menu (☰) → **New event**, enter event details, then touch ✓ **Done**.
- **Show, edit or delete events:** touch an event to open it, then touch edit ✎ or delete 🗑.





## Work

### Work

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- **Show, hide or add calendars:** touch Menu  → **Calendars to display** to show or hide calendars from your Google account. You can use a computer to add or remove calendars on your Google account at [www.google.com/calendar](http://www.google.com/calendar).

**Tip:** add a **Calendar** widget to your Home screen. Touch Apps  → **WIDGETS**, then touch and hold the **Calendar** widget to add it to your Home screen.

### Print

To print photos, documents and more from your phone, check to see if your printer's manufacture has an app on Google Play Store. Then touch Apps  →  **Settings** → **Printing** to get started.

You can also send your photos, docs and more to any Android device in your cloud or to Google Drive. Just download the Cloud Print app from Google.



## Connect & transfer

wired up or wireless

### Connect & transfer

Quick start: connect & transfer

Bluetooth wireless

Wi-Fi networks

USB cables

Share your data connection

Data use

NFC

Your cloud

Phone & tablet

Virtual Private Networks (VPN)

Mobile network

Flight mode



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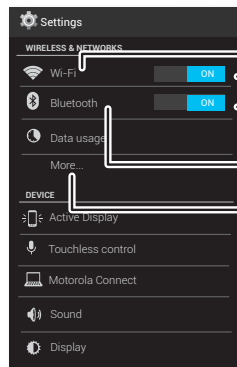
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## Quick start: connect & transfer

Connect accessories, computers, networks and more.

Find it: Apps (⋮) → ⚙️ Settings



Change Wi-Fi settings.

Turn Wi-Fi or Bluetooth power ON or OFF.

Change Bluetooth settings.

Turn on a mobile Wi-Fi hotspot.

### Tips & tricks

- **Bluetooth devices:** to connect a Bluetooth headset, keyboard or other device, touch **Bluetooth**.
- **Wi-Fi networks:** to connect, touch **Wi-Fi**.
- **Wi-Fi hotspot:** to make your phone a hotspot, touch **More** → **Tethering & portable hotspot**, then tick **Portable Wi-Fi hotspot**. You can change hotspot security.
- **USB cable:** your phone's micro USB port lets you exchange media and other files with a connected computer. To change the type of USB connection, touch Apps (⋮) → **Settings** → **Storage** → Menu (⋮) → **USB computer connection**.
- **Automatic connections:** when Bluetooth or Wi-Fi power is **ON**, your phone automatically reconnects to available devices or networks it has used before.
- **Flight mode:** need to shut down wireless connections quickly? Flick the status bar down and touch **⚡** → **Flight mode**. (If you don't see **Flight mode**, touch **⋮** → **More**.)  
Or, touch and hold the Power key → **Flight mode**.
- **Print:** want to print your photos, docs or other things? Check out "**Print**".

## Bluetooth wireless

### Turn Bluetooth power on/off

Find it: Apps (⋮) → ⚙️ **Settings**, then touch the **Bluetooth** switch to turn it **ON**.





## Connect & transfer

### Connect & transfer

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Data use

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**Tip:** to extend battery life or stop connections, turn Bluetooth **OFF** when you're not using it.

### Connect devices

The **first time** you connect a device, follow these steps:

- 1 Make sure the device you are pairing with is in discoverable mode (for details, refer to the guide that came with the device).
- 2 Touch Apps  →  **Settings** → **Bluetooth**.
- 3 Make sure the switch at the top is **ON**, then touch **Search for devices**.
- 4 Touch a found device to connect it (if necessary, touch **Pair** or enter a passkey such as **0000**).

When the device connects, the Bluetooth status indicator turns blue .


To automatically **disconnect** or **reconnect** a device any time, just turn it off or on.




**Note:** using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

### Manage devices

To manually reconnect your phone with a paired device, touch the device name in the **Available devices** list.



To manually disconnect your phone from a paired device, touch the device name in the devices list, then touch **OK**.

To remove a paired device, touch  next to the device name in the **Paired devices** list, then touch **Unpair**.






Touch Apps  →  **Settings** → **Bluetooth**, turn Bluetooth power on, then touch Menu  → **Rename phone**.

### Let devices find your phone

To let a Bluetooth device discover your phone:



- 1 Touch Apps  →  **Settings** → **Bluetooth**.
- 2 Touch your device name at the top to switch between **Not visible to other Bluetooth devices** and **Visible to all nearby Bluetooth devices** for two minutes.

### Transfer files

- **Photos or videos:** open the photo or video, then touch  → **Bluetooth**.
- **People:** touch  **People** → touch a person, then touch Menu  → **Share** → **Bluetooth**.
- **Google Drive:** upload files to the web, so you can access them from a computer or other Android devices. Touch Apps  →  **Drive**. Visit <http://drive.google.com>.

## Wi-Fi networks

### Turn Wi-Fi power on/off

**Find it:** Apps  →  **Settings**, then touch the **Wi-Fi** switch to turn it **ON**.

**Note:** to extend battery life, turn Wi-Fi **OFF** when you're not using it.



## Connect & transfer

### Connect & transfer

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### Connect to networks


To find networks in your range:


- 1 Touch Apps (⋮) → **Settings** → **Wi-Fi**.

**Tip:** To see your phone's MAC address and Wi-Fi settings, touch Menu (⋮) → **Advanced**.

- 2 Make sure the switch at the top is **ON**, then touch Menu (⋮) → **Scan**.

- 3 Touch a found network to connect it (if necessary, enter **Network SSID**, **Security** and **Wireless password**, and touch **Connect**).

When your phone connects, the Wi-Fi status indicator  appears in the status bar.

**Note:** if you see a question mark in the Wi-Fi status indicator , pull down the status bar, touch the network and enter the network's password.

**Tip:** when Wi-Fi power is on, your phone automatically reconnects to available networks it has used before

### Wi-Fi hotspot

You can make your phone a Wi-Fi hotspot to provide portable, convenient Internet access to other Wi-Fi-enabled devices.

**Note:** keep it secure. To protect your phone and hotspot from unauthorised access, it is strongly recommended that you set up hotspot security (WPA2 is the most secure), including password.

**Find it:** Apps (⋮) → **Settings** → **More** → **Tethering & portable hotspot** and check **Mobile Wi-Fi hotspot**.

- 1 Your phone turns off **Wi-Fi** power and uses the mobile network for Internet access. Touch **Set up Wi-Fi hotspot** to set up security:

- **Network SSID:** enter a unique name for your hotspot.
- **Security:** select the type of security you want: **Open** or **WPA2**. For **WPA2**, enter a unique password that others will need to access your Wi-Fi hotspot.  
**Note:** **WPA2** is recommended by IEEE.
- **Hotspot frequency band:** if you notice interference after your hotspot has been active for a while, try different channels.
- **Password:** create a password with at least eight characters.

- 2 Touch **Save** when the settings are complete.

When your Wi-Fi hotspot is active, other Wi-Fi enabled devices can connect by entering your hotspot's **SSID**, selecting a **Security** type and entering the correct **Password**.

### Wireless display

Mirror your phone's screen to an HDTV without any cords—with minimal set up.

**Find it:** Apps (⋮) → **Settings** → **Display** → **Wireless display**

Wireless display requires either a Miracast-enabled HDTV or a Wireless display adapter to work. If you don't have a TV or monitor that supports Wireless display, you can purchase an accessory (dongle) to enable it.



## Connect & transfer

### Connect & transfer

**Quick start: connect & transfer**

**Bluetooth wireless**

**Wi-Fi networks**

**USB cables**

**Share your data connection**

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**Your cloud**

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**Tip:** for faster access, you can add a Wireless display widget to your Home screen. See “Control & customise”.

### Wi-Fi modes

For those who like to get a bit more technical, your phone supports the following Wi-Fi modes: 802.11a, b, g, n.

### USB cables

**Note:** Copyright—do you have the right? Always follow the rules. See “Content copyright”.


To load music, pictures, videos, documents or other files from your computer, connect your phone to your computer with a USB cable. To change the type of USB connection, touch Apps  →  **Settings** → **Storage** → Menu  → **USB computer connection** → **Mass storage**.




- For Microsoft™ Windows™ XP, Windows Vista and Windows 7: on your computer, choose Start, then select Windows Explorer from your list of programs. In Windows Explorer, your phone will appear as a connected drive (mass storage device) where you can drag and drop files, or it will appear as an MTP or PTP device that lets you use Windows Media Player to transfer files. For more instructions or driver files, visit [www.motorola.com/mymotox](http://www.motorola.com/mymotox).
- For Apple™ Macintosh™: use Android File Transfer, available at [www.android.com/filetransfer](http://www.android.com/filetransfer).

### USB connection

**Note:** the first time you use a USB connection, your computer may indicate that drivers are being installed. Follow any

prompts you see to complete the installation. This may take a few minutes.

- 1 With the Home screen showing, connect a Motorola micro USB data cable from your phone's micro USB port to a USB port on your computer. Your phone should show  in the status bar.

**Note:** make sure you connect the phone to a high power USB port. Typically, these are located directly on your computer. To change the type of USB connection if necessary, touch Apps  →  **Settings** → **Storage** → Menu  → **USB computer connection** → **Mass storage**.

- 2 Drag and drop files between your computer and the phone folders. When you have finished, use “Safely remove hardware” before disconnecting the USB cable.




### Share your data connection

Your computer can access the Internet through your phone's mobile network—you just need a USB cable.

**Tip:** to share a Wi-Fi connection, see “Wi-Fi hotspot”.

- 1 Connect your phone to your computer using a USB cable.

**Note:** if your computer is running something older than Microsoft™ Windows™ 7 or Apple™ Macintosh™ OSX, it might require special configuration.

- 2 On your phone, touch Apps  →  **Settings**, then make sure the **Wi-Fi** switch is set to .
- 3 In **Settings**, touch **More** → **Tethering & portable hotspot**, then tick **USB tethering** to start the connection.



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To stop the connection, deselect **USB tethering**, then disconnect your phone from your computer.

### Data use

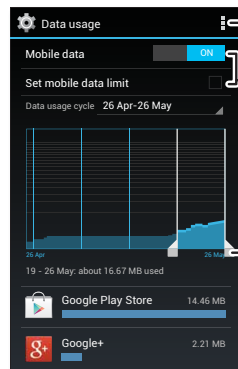
You can track the amount of data uploaded and downloaded by your phone.

**Note:** usage information is provided to help you manage your phone. This may not match the amounts charged by your service provider, as they're not measured in the same way.

**Find it:** Apps (⋮) → ⚙️ **Settings** → **Data usage**

Your phone shows a data usage graph, followed by a list of the apps that are running, from highest data usage down to least.

Touch an app to open its details. Apps that use a lot of data might also use a lot of battery power.



Turn off roaming or auto-sync, find a mobile hotspot and more.

Turn off mobile data or set a usage limit.

Drag the white bars to change date ranges.

The data usage screen shows information and settings for data transferred over your service provider's mobile network.

### NFC

Near Field Communication technology lets you instantly share content (such as web links, contacts and photos), information and more, by touching the back of your phone to another NFC-enabled device.



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### Share with Android Beam™

Use Android beam to share content on your phone with another NFC-enabled phone or tablet.

**Note:** the other device must support NFC, too.

- 1 Open the screen that contains the map page or browser page you want to share.
- 2 Touch the back of your phone to the back of the other device.

When the devices connect, you'll see **Tap to beam** on your phone.

- 3 Touch your screen to share your content.

### Receive with NFC

Receive web links, e-coupons, brochures, maps and more from an NFC tag. Look for the NFC logo on posters, signs, shop displays and other areas. Just touch the back of your phone to the logo to receive its tag information.

### Bluetooth & Wi-Fi one-touch setup

Just touch your phone to an NFC-enabled Bluetooth device or Wi-Fi access point to automatically pair or connect with the device.

### Mobile payment

You can use any secure payment app to pay for your purchase (where available).

Look for the NFC logo to confirm that you can make a mobile payment. Touch the back of your phone to the payment device to pay for your purchase.

### Security

Mobile payments, wireless connections and content sharing all demand security:

- **Range:** NFC only works over a short range (about 4 cm/1.5 inches), so it's unlikely you'll connect by mistake—if you did, you would still have to accept the connection to send or receive information.
- **Encryption:** your phone uses the latest security, encryption and authentication features to protect your personal information for mobile payments and content sharing.

### Your cloud

One account with access to everything, everywhere—phone, tablet, computer.

### Sync your Google account

When you log in to the same Google account, all devices can get to all the same apps, movies, books and music on “**Google Play**”—plus you share the same Gmail, Google Calendar™ and other Google Mobile™ services. To add accounts to your phone, touch Apps (⋮) → ⚙️ **Settings** → **Accounts**.

### Phone & tablet

Your Android phone and tablet can work together to help you get the most out of both:



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- **Transfer media and files:** copy files to your phone and transfer them to other devices with “**Transfer files**”.
- **Phone hotspot:** if you have a Wi-Fi tablet, turn your phone into a Wi-Fi hotspot to let your tablet access the Internet anywhere—see “**Wi-Fi hotspot**”,
- **Bluetooth accessories:** if you have a Bluetooth keyboard or other accessories to use with your tablet, remember you can use them with your phone too. To connect them, see “**Bluetooth wireless**”,

### Virtual Private Networks (VPN)

A VPN lets you access files on a secured network (such as an office network with a firewall). Contact the network administrator to ask for VPN settings and any additional apps or other requirements.

To enter VPN settings, touch Apps (⋮) → ⚙️ **Settings** → **More** → **VPN**. Choose the type of VPN and enter settings from the network administrator. The network is stored in the **VPN** list so that you can select it whenever you need to connect.

### Mobile network

You should not need to change any network settings. Contact your service provider for help.

Touch Apps (⋮) → ⚙️ **Settings** → **More** → **Mobile networks** to see network settings options.

### Flight mode

Use flight mode to turn all your wireless connections off—useful when flying. Press and hold the Power key → **Flight mode**.

**Note:** when you select flight mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth power back on, if permitted by your airline. Other wireless voice and data services (such as calls and text messages) remain off in flight mode. Emergency calls to your region's emergency number can still be made.



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## Protect

help keep it safe

### Protect

**Quick start: protect**

**Screen lock**

**SIM lock**

**Encrypt your phone**

**Back up & restore**

**Reset**

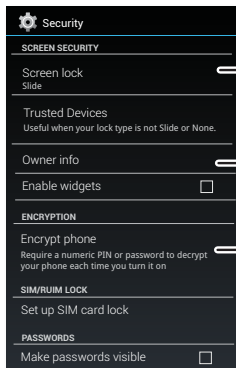
### Quick start: protect

Make sure your information is protected in case your phone is lost or stolen.

**Find it:** Apps  →  **Settings** → **Security**

The easiest way to protect your phone is to use **Screen lock**. You can choose facial recognition, a pattern, a PIN or use a connected accessory to unlock your phone.

**Tip:** your security options may be a little different.





For a screen lock, you can use facial recognition, a connected device, a pattern, a password or other choices.

Add some info to show on your lock screen.


Encrypt the data stored on your phone or memory card.


### Tips & tricks

- **Face unlock:** unlock your phone by looking at it. Touch Apps  →  **Settings** → **Security** → **Screen lock** → **Face unlock** and follow the prompts.
- **Forgotten pattern:** if you enter the wrong unlock **Pattern** five times, your device shows a **Forgotten pattern?** Option that lets you enter your Google account email and password to unlock your device.
- **Forgotten password:** oops. If you forget your password, you will need to reset your phone (see “**Reset**”).

### Screen lock

To keep your phone secure, you can make the touchscreen lock when it goes to sleep.

**Find it:** Apps  →  **Settings** → **Security** → **Screen lock**, then select the lock type:

- **None:** turn off the screen lock.
- **Slide:** flick  to the right to unlock.
- **Connected device lock:** use a connected accessory to unlock.
- **Face unlock:** look at your phone to unlock it.

Follow the prompts to capture your face and enter a PIN or password (for back up or to change the lock setting). When the screen is dark, press the Power key, then frame your face in the square at the bottom to unlock.

**Note:** this feature is less secure than a pattern, PIN or password.



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## Protect

### Protect

**Quick start: protect**  
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- **Pattern:** draw a pattern to unlock.
- **PIN:** enter four to sixteen digits to unlock.
- **Password:** enter four to sixteen letters, digits or symbols to unlock.

To change when your touchscreen goes to sleep, see “**Power key**”.

**Note:** you can make emergency calls on a locked phone (see “**Emergency calls**”). A locked phone still rings, **but you need to unlock it to answer**.

### Can't unlock?

**Face unlock:** if your phone doesn't recognise your face, you'll be prompted to enter your back up pattern or PIN code to unlock it.

**Pattern, PIN or password:** if you forget your pattern, PIN or password, contact your service provider.

## SIM lock

**Caution:** if you enter an incorrect PIN code three times, your phone locks your SIM card and asks for your PIN unlock code. Contact your service provider for your PIN unlock code.

To set a SIM card PIN that you must enter when you turn on your phone:

**Find it:** Apps (⋮) → ⚙️ **Settings** → **Security** → **Set up SIM card lock** → **Lock SIM card**

To set your SIM PIN, enter a 4-digit code. To change your code, choose **Change SIM PIN**.

## Encrypt your phone

**Caution:** if you forget your encryption code, you cannot recover the data stored on your phone. Encrypting your files can take an hour or more. Leave your phone plugged in and be careful not to interrupt the process.

Encryption protects the accounts, settings, apps and files on your phone, so that people cannot access them if your phone is stolen.

To encrypt your phone and require a PIN or password whenever you turn on your phone:

**Find it:** Apps (⋮) → ⚙️ **Settings** → **Security** → **Encrypt phone**

## Back up & restore

Your Google account data is backed up online. So, if you reset or replace your phone, just log into your Google account to restore the contacts, events and other details you synced with the account. To choose what is synced with the account, touch Apps (⋮) → ⚙️ **Settings** → **Accounts**, touch your Google account and tick items to sync. Please note that text messages, call logs and items stored on your phone will not be restored. To restore your Android apps, see “**Take care of your apps**”.

## Reset

To reset your phone to factory settings and erase all the data on your phone, touch Apps (⋮) → ⚙️ **Settings** → **Backup & reset** → **Factory data reset** → **Reset phone**.

**Warning:** All downloaded apps and user data on your phone will be deleted. Data on the cloud will not be deleted.



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## Want more?

*there's always more*

Want more?  
Get help



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## Get help


There's more help, updates and information right here:

- **Tutorials & answers:** touch Apps  →  **Moto Care** to get walk-through tutorials or chat with people who can help.
- **Updates:** get phone updates, PC software, online help, guides and more at [www.motorola.com/mymotox](http://www.motorola.com/mymotox)
- **Accessories:** find accessories for your phone at [www.motorola.com/mobility](http://www.motorola.com/mobility).
- **Apps:** touch  **Play Store**.
- **News:** get the latest news, apps, tips & tricks, videos and so much more! Join us on:

 YouTube™ [www.youtube.com/motorola](http://www.youtube.com/motorola)

 Facebook [www.facebook.com/motorola](http://www.facebook.com/motorola)

 Twitter [www.twitter.com/motomobile](http://www.twitter.com/motomobile)

 Google+™ [www.google.com/+Motorola/posts](http://www.google.com/+Motorola/posts)

## Tips & tricks

- **Google help:** in every Google Mobile app, you can touch Menu  → **Help**. You can also view the Google Help Centres online at [www.google.com/support](http://www.google.com/support).



## Troubleshooting

*we can help*

### Troubleshooting Crash recovery Service & repairs

#### Crash recovery

In the unlikely event that your phone stops responding to touches and key presses, try a reboot. Press and hold the Power key until your phone goes dark and restarts. If necessary, hold the Power key to turn your phone back on.

#### Service & repairs

If you have questions or need assistance, we're here to help.

Go to [www.motorola.com/mymotox](http://www.motorola.com/mymotox), where you can select from a number of customer care options. You can also contact the Motorola Customer Support Centre on 0870-9010-555 (UK) or 1850-909-555 (Ireland).



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## Safety, regulatory & legal

safe, smart, protected

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### Battery use & safety

**Warning:** Your mobile device contains a battery that should only be removed by a Motorola-approved service centre or recycler.

- Don't try to remove or replace the battery yourself. Attempting to remove or replace the battery may damage the battery and may cause burning and injury.
- Don't try to take apart or fix your phone. Attempting to take apart or fix your phone may damage the battery and may cause burning and injury.
- Don't crush, bend or expose your phone to heat or liquid. This may damage the battery and may cause burning and injury.

### Battery charging

**Notes for charging your product's battery:**

- During charging, keep your mobile device and charger near room temperature for efficient battery charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

### Third party accessories

Using third party accessories, including but not limited to batteries, chargers, headsets, covers, cases, screen protectors and memory cards, may impact your mobile device's performance. Using a non-Motorola battery or charger may present a risk of fire, explosion, leakage or other hazard. Motorola's warranty doesn't cover damage to the phone caused by non-Motorola batteries and/or chargers. For a list of Motorola accessories, visit [www.motorola.com/us/consumers/Accessories/accessories\\_en\\_US.sc.html](http://www.motorola.com/us/consumers/Accessories/accessories_en_US.sc.html) (in English only).

### Driving precautions

Responsible and safe driving is your primary responsibility when driving a vehicle. Making calls or using applications while driving may cause distraction, and may be prohibited or restricted in certain areas—always obey local laws and regulations for the use of mobile devices and accessories in the vehicle.

**While driving, ALWAYS:**

- Keep your eyes on the road.
- Use a hands-free device if available or required by law in your area.
- Enter destination information into a navigation device **before** driving.
- Use voice-activated features (such as voice dial) and speaking features (such as audible directions), if available.
- Concentrate on driving, and stop using the mobile device if you can't concentrate.

Pull over safely before using your mobile device to send messages, surf the web or use other applications.

### Seizures, blackouts & eyestrain

To reduce eyestrain and avoid headaches, it is always a good idea to hold the screen at a comfortable distance from your eyes, use in a well-lit area and take frequent breaks.

Some people may be susceptible to seizures or blackouts (even if they have never had one before) when exposed to flashing lights or light patterns, such as when playing video games or watching videos with flashing-light effects.

Discontinue use and consult a doctor if any of the following symptoms occur: seizures, blackout, convulsion, eye or muscle twitching, loss of awareness or disorientation.

### Caution about high volume usage

**Warning:** Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the sound, the less time is required before your hearing could be affected. To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.



### Repetitive motion

When you repetitively perform actions, such as pressing keys, you may experience discomfort in your hands, arms, shoulders, neck or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a doctor.

### Children

**Keep your mobile device and its accessories away from small children.** These products are not toys and may be hazardous to small children. For example, a choking hazard may exist for small, detachable parts.

**Supervise access.** If a child does use your mobile device, monitor their access to help prevent loss of data or unexpected charges for data or application purchases.

### Glass parts

Some parts of your mobile device may be made of glass. This glass may break if the product receives a substantial impact. If glass breaks, don't attempt to service the device yourself. Stop using your mobile device until the glass is replaced by a qualified service centre.



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### Use & care

To care for your Motorola mobile device, please observe the following:



#### liquids

Don't expose your mobile device to water, rain, extreme humidity, sweat or other liquids.



#### drying

Don't try to dry your mobile device using a microwave oven, conventional oven or dryer.



#### extreme heat or cold

Don't store or use your mobile device in temperatures below -10°C (14°F) or above 60°C (140°F). Don't recharge your mobile device in temperatures below 0°C (32°F) or above 45°C (113°F).



#### dust and dirt

Don't expose your mobile device to dust, dirt, sand, food or similar materials.



#### cleaning

To clean your device, use only a dry soft cloth. Do not use alcohol or other cleaning solutions.



#### shock and vibration

Don't drop your mobile device or expose it to strong vibration.



#### protection

To help protect your mobile device, always make sure that all connector and compartment covers are closed and secure, and avoid carrying it with hard objects such as keys or coins.

### Operational warnings

Obey all posted signs when using mobile devices in public areas.

#### Potentially explosive areas

Potentially explosive areas are often, but not always, posted and can include blasting areas, fuelling stations, fuelling areas (such as below decks on boats), fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust or metal powders.

Turn off your mobile device before entering such an area, and do not charge batteries. In such areas, sparks can occur and cause an explosion or fire.

### Symbol key

Your charger, mobile device, device display, user guide or packaging may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Don't dispose of your battery or mobile device with your household waste. See "Disposal & recycling" for more information.
	For indoor use only.
	Listening at high volume to music or voice through a headset may damage your hearing.

### Radio frequency (RF) energy

#### Exposure to RF energy & device operation

Your mobile device contains a transmitter and receiver of RF energy. It is designed to comply with regulatory requirements concerning human RF exposure.

For optimal device performance, and to stay within the RF exposure guidelines:

- Hold your mobile phone like a landline when talking on it.
- When using the mobile phone next to your body (other than in your hand or against your head), maintain a distance of 1.5 cm (3/4 inch) from your body to be consistent with how the mobile phone is tested for compliance with RF exposure requirements.
- If you use your mobile phone with an accessory case or holder, make sure the accessory is free of metal.



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### Follow instructions to avoid interference problems

Turn off your mobile device in any location where posted notices instruct you to do so, such as hospitals or healthcare facilities.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an aeroplane mode or similar feature, consult airline staff about using it in-flight.

### Medical devices

If you use an implantable pacemaker or defibrillator, or other medical device, consult your healthcare provider and the device manufacturer's directions before using this mobile device.

Persons with a pacemaker or defibrillator should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimetres (8 inches) from the pacemaker or defibrillator when the mobile device is turned ON.
- Use the ear opposite the pacemaker or defibrillator to minimise the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

### Regulatory information

Your Motorola mobile device is designed to comply with national and international regulatory requirements. For full compliance statements and details, please refer to the regulatory information in your printed product guide.

### European Union directives conformance statement

The following CE compliance information is applicable to Motorola mobile devices that carry one of the following CE marks:

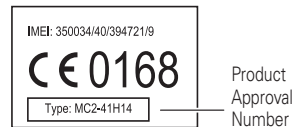


Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of directive 1999/5/EC
- All other relevant EU directives

For products that support Wi-Fi 802.11a (as defined in your product information): this device is restricted to indoor use when operating in the 5.15 to 5.25 GHz (802.11a) Wi-Fi frequency band.

The following gives an example of a typical Product approval number:



You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at [www.motorola.com/rtte](http://www.motorola.com/rtte) (in English only). To find your DoC, enter the Product approval number from your product's label in the "Search" bar on the website.

### FCC notice to users

**The following statement applies to all products that bear the FCC logo and/or FCC ID on the product label.**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. See 47 CFR Sec. 15.105(b). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(a)(3).

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.



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For products that support Wi-Fi 802.11a (as defined in product information); in the United States, do not use your device outdoors while connected to an 802.11a Wi-Fi network. The FCC prohibits such outdoor use since frequencies 5.15-5.25 GHz can cause interference with Mobile Satellite Services (MSS). Public Wi-Fi access points in this range are optimised for indoor use.

### Software notices

#### Warning against unlocking the bootloader or altering a product's operating system software

Motorola strongly recommends that you do not alter a product's operating system, which includes unlocking the bootloader, rooting a device or running any operating software other than the approved versions issued by Motorola and its partners. Such alterations may permanently damage your product, cause your product to be unsafe and/or cause your product to malfunction. In such cases, neither the product nor any damage resulting therefrom will be covered by warranty.

**Important FCC information:** you must not make or enable any changes to the product that will impact its FCC grant of equipment authorisation. The FCC grant is based on the product's emission, modulation and transmission characteristics, including: power levels, operating frequencies and bandwidths, SAR levels, duty-cycle, transmission modes (e.g., CDMA, GSM), and intended method of using the product (e.g., how the product is held or used in proximity to the body). A change to any of these factors will invalidate the FCC grant. It is illegal to operate a transmitting product without a valid grant.

### Location services

Motorola mobile devices can provide information about their approximate location to applications, using sources including GPS, AGPS and Wi-Fi. GPS (Global Positioning System) uses government-operated satellites that are subject to changes implemented in accordance with Department of Defense policy and the Federal Radionavigation Plan. These changes may affect the performance of location technology on your mobile device. AGPS (Assisted Global Positioning System) uses your wireless service provider's network to improve GPS performance. Airtime, data fees and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details. Your mobile device can also use Wi-Fi signals to determine your approximate location, using information from known and available Wi-Fi networks.

Mobile devices transmit location-based information when connected to a wireless network or when using other location technologies such as GPS. If you use applications that require location-based information such as driving directions, your mobile device will provide location information to them. These applications may share location information with third parties, including your wireless service provider, applications providers, Motorola and other third parties providing services.

### Emergency calls

When you make an emergency call, the mobile network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the phone for as long as the emergency responder instructs you.

### Navigation

If your Motorola mobile device provides navigation features, note that mapping information, directions and other navigational data may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay attention to road conditions, closures, traffic and all other factors that may impact driving. Always obey posted road signs.

### Privacy & data security

Motorola understands that privacy and data security are important to everyone. Given that some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access:** keep your mobile device with you and don't leave it where others may have unmonitored access. Use your device's security and lock features, where available.
- **Keep software up to date:** if Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- **Secure personal information:** your mobile device can store personal information in various locations, including your SIM card, memory card and phone memory. Make sure you remove or clear all personal information before you recycle, return or give away your device. You can also back up your personal data to transfer to a new device.

**Note:** For information on how to back up or wipe data from your mobile device, go to [www.motorola.com/mymotox](http://www.motorola.com/mymotox)

- **Online accounts:** some mobile devices provide a Motorola online account. Go to your account for information on how to manage the account and how to use security features such as remote wipe and device location (where available).
- **Applications and updates:** choose your apps and updates carefully, and install from trusted sources only. Some apps can affect your mobile device's performance and/or have access to private information including account details, call data, location details and network resources.
- **Wireless:** for mobile devices with Wi-Fi features, only connect to trusted Wi-Fi networks. Also, when using your device as a hotspot (where available), use network security. These precautions will help prevent unauthorised access to your device.
- **Location-based information:** mobile devices enabled with location-based technologies, such as GPS, AGPS or Wi-Fi, can transmit location-based information. See "Location services" for more details.



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### Safety, regulatory & legal

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- **Other information your device may transmit:** your mobile device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola.

If you have further questions about how using your mobile device may affect your privacy or data security, please contact Motorola at [privacy@motorola.com](mailto:privacy@motorola.com), or contact your service provider.

## Disposal & recycling

### Mobile devices & accessories

Please don't dispose of mobile devices or electrical accessories (such as chargers, headsets or batteries) with your household waste. **Warning: never dispose of batteries, either separately or within a mobile device, in a fire because they may explode.** Mobile devices or electrical accessories should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Or, you may return unwanted Motorola mobile devices and electrical accessories to any Motorola-approved service centre in your region. For details on approved national recycling schemes and Motorola recycling activities, go to: [www.motorola.com/recycling](http://www.motorola.com/recycling)

### Packaging & product guides

Product packaging and product guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

## Software copyright

Motorola products may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in Motorola products may not be modified, reverse-engineered, distributed or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of Motorola products shall not be deemed to grant, either directly or by implication or estoppel or otherwise, any licence under the copyrights, patents or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free licence to use that arises by operation of law in the sale of a product.



## Content copyright

The unauthorised copying of copyrighted materials is contrary to the provisions of the copyright laws of the United States and other countries. This device is intended solely for copying non-copyrighted materials, materials in which you own the copyright or materials which you are authorised or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

## Open source software information

For instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.

MOTOROLA MOBILITY LLC  
OSS Management  
1000 Enterprise Way  
Sunnyvale, CA 94043  
USA

The Motorola website [opensource.motorola.com](http://opensource.motorola.com) (in English only) also contains information regarding Motorola's use of open source.

Motorola has created the [opensource.motorola.com](http://opensource.motorola.com) website to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licences, acknowledgements and required copyright notices for open source packages used in this Motorola mobile device, please go to Apps → **Settings** → **About phone** → **Legal information** → **Open source licences**. In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.



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### Service & repairs

If you have questions or need assistance, we're here to help.

Go to [www.motorola.com/mymotox](http://www.motorola.com/mymotox), where you can select from a number of customer care options. You can also contact the Motorola Customer Support Centre on 0870-9010-555 (UK) 1850-909-555 (Ireland).

#### How to obtain service or other information

1. Please access and review the online Customer support section of Motorola's consumer website prior to requesting warranty service.
2. If the Product is still not functioning properly after making use of this resource, please contact the Warrantor listed at the Motorola website or the contact information for the corresponding location.
3. A representative of Motorola, or of a Motorola Authorised repair centre, will help determine whether your Product requires service. You may be required to download, or otherwise obtain and accept software updates from Motorola or a Motorola Authorised repair centre. You are responsible for any applicable carrier service fees incurred while obtaining the required downloads. Complying with the warranty process, repair instructions and accepting such software updates is required in order to receive additional warranty support.
4. If the software update doesn't fix the problem, you will receive instructions on how to ship the Product to a Motorola-authorised repair centre or other entity.
5. To obtain warranty service, as permitted by applicable law, you are required to include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) your address and telephone number. In the event the Product is not covered by the Motorola Limited Warranty, Motorola will inform the consumer of the availability, price and other conditions applicable to the repair of the Product.

**To obtain service or other information, please access and review the online customer support section of Motorola's consumer website at [www.motorola.com](http://www.motorola.com).**

For warranty information please refer to: [www.motorola.com/mymotoxwarranty](http://www.motorola.com/mymotoxwarranty).

### Copyright & trademarks

Motorola Mobility LLC

Consumer Advocacy Office  
600 N US Hwy 45  
Libertyville, IL 60048

[www.motorola.com](http://www.motorola.com)

1-800-734-5870 (United States)

Certain features, services and applications are network-dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. Contact your service provider for details.

All features, functionality and other product specifications, as well as the information contained in this guide, are based upon the latest available information and believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

**Note:** The images in this guide are examples only.

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**Caution:** Motorola does not take responsibility for changes/modification to the transceiver.  
Product ID: Moto X (Model XT1052)  
Manual Number: 68017616001-A



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